Appendix C. Pain at dressing changes one, two, and three

Pain Assessment Timepoint	N (Intervention)	Intervention Mean (SD)	N (Control)	Control Mean (SD)	Adjusted Mean Difference (95% CI)	*p* value
Nurse: FLACC (0 – 10)						
1st Dressing Change						
T1	36	0.0 (0.0)	33	0.0 (0.2)	0.0 (-0.1 to 0)	0.3
T2	34	1.3 (1.7)	31	1.1 (1.6)	0.2 (-0.7 to 1.0)	0.69
T3	28	0.1 (0.3)	29	0.1 (0.4)	0.0 (-0.2 to 0.2)	0.73
T4	28	0.4 (0.9)	28	0.2 (0.5)	0.2 (-0.2 to 0.6)	0.36
Peak FLACC	34	2.1 (1.9)	31	1.7 (1.5)	0.3 (-0.5 to 1.2)	0.41
2nd Dressing Change						
T1	26	0.0 (0.0)	28	0.0 (0.0)	0.0 (0.0)	-
T2	24	1.1 (1.7)	27	0.6 (1.3)	0.5 (-0.4 to 1.3)	0.25
T3	12	0.0 (0.0)	16	0.5 (1.5)	-0.5 (-1.4 to 0.4)	0.28
T4	12	0.2 (0.4)	14	0.3 (0.7)	-0.1 (-0.6 to 0.4)	0.62
Peak FLACC	24	1.6 (1.8)	27	1.0 (1.6)	0.6 (-0.3 to 1.6)	0.20
3rd Dressing Change						
T1	7	0.0 (0.0)	14	0.0 (0.0)	0.0 (0.0)	-
T2	7	0.1 (0.4)	12	0.6 (0.7)	-0.4 (-1.0 to 0.1)	0.13
T3	3	0.3 (0.6)	7	0.4 (1.1)	-0.1 (-1.7 to 1.5)	0.9
T4	3	0.0 (0.0)	7	0.0 (0.0)	0.0 (0.0)	-
Peak FLACC	7	1.4 (1.4)	13	0.8 (0.9)	0.6 (-0.5 to 1.7)	0.27
Parent: VAS Observer (0 – 100)						
1st Dressing Change						
T1	34	8.2 (18.8)	32	3.4 (9.7)	5 (-3.0 to 12.0)	0.2
T2	33	31.5 (37.9)	31	18.5 (23.8)	13 (-3.0 to 29.0)	0.11
T3	27	18.9 (28.2)	29	9.7 (17.6)	9 (-3.0 to 22.0)	0.14
T4	27	19.1 (26.7)	28	7.1 (20.2)	12 (-1.0 to 25.0)	0.07
Peak VAS	33	42.1 (35.2)	29	29.5 (22.3)	13 (-3.0 to 28.0)	0.10
2nd Dressing Change						
T1	25	4.4 (11.6)	28	1.4 (4.5)	3 (-2.0 to 8.0)	0.21
T2	23	14.1 (23.2)	27	9.6 (20.5)	5 (-8.0 to 17.0)	0.47
T3	11	7.7 (19.9)	15	2.7 (4.6)	5 (-6.0 to 16.0)	0.35
T4	11	12.3 (21.1)	13	3.1 (8.5)	9 (-4.0 to 22.0)	0.16
Peak VAS	22	21.4 (30.3)	26	13.8 (21.7)	8 (-8.0 to 22.0)	0.32
3rd Dressing Change						
T1	7	4.3 (11.3)	13	2.3 (8.3)	2 (-7.0 to 11.0)	0.66

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T2	6	11.7 (16.0)	11	8.2 (10.8)	3 (-10.0 to 17.0)	0.60
T3	6	5.0 (7.1)	7	8.6 (12.1)	-4 (-25.0 to 18.0)	0.71
T4	3	0.0 (0.0)	6	3.3 (8.2)	-3 (-18.0 to 12.0)	0.60
Peak VAS	5	20.0 14.1)	11	11.8 (11.7)	8 (-6.0 to 23.0)	0.24
Child: FPS – R						
1st Dressing Change						
T1	8	0.00 (0.00)	10	0.1 (0.3)	-0.1 (-.3 to .1)	0.39
T2	9	2.7 (4.4)	9	2.43.4)	0.2 (-3.7 to 4.1)	0.91
T3	7	2.0 (3.5)	8	2.3 (3.6)	-0.2 (-4.2 to 3.7)	0.89
T4	7	0.3 (0.8)	6	1.0 (1.7)	-0.7 (-2.3 to .8)	0.33
Peak FPS – R	9	2.7 (4.1)	7	1.7 (2.1)	1.0 (-2.7 to 4.6)	0.59
2nd Dressing Change						
T1	5	0.00 (0.00)	6	1.7 (4.1)	-1.7 (-5.8 to 2.5)	0.39
T2	6	0.7 (1.6)	5	2.0 (4.5)	-1.3 (-5.7 to 3.1)	0.51
T3	3	0.00 (0.00)	3	1.3 (2.3)	-1.3 (-5 to 2.4)	0.37
T4	3	0.00 (0.00)	3	1.3 (2.3)	-1.3 (-5 to 2.4)	0.37
Peak FPS – R	6	1.0 (1.7)	8	1.3 (3.5)	-0.2 (-3.7 to 3.2)	0.88
3rd Dressing Change						
T1	2	0.00 (0.00)	3	3.3 (5.8)	-3.3 (-17 to 10.4)	0.50
T2	2	1.0 (1.4)	3	3.3 (5.8)	-2.3 (-16.2 to 11.6)	0.63
T3	2	1.0 (1.4)	2	0.0 (0.0)	1.0 (-3.3 to 5.3)	0.42
T4	2	2.0 (2.8)	0	-	-	-
Peak FPS – R	2	3.0 (1.4)	3	3.3 (5.8)	-0.3 (-14.2 to 13.6)	0.94
Child: VAS						
1st Dressing Change						
T1	8	21.9 (27.5)	7	7.1 (15.0)	15 (-11 to 40)	0.23
T2	7	45.7 (41.6)	5	8.0 (11.0)	38 (-5 to 81)	0.08
T3	6	33.3 (37. 8)	4	30.0 (47.6)	3 (-59 to 65)	0.90
T4	5	28.0 (25.9)	4	25.0 (50.0)	3 (-57 to 63)	0.91
Peak VAS	8	52.5 (41.)	6	23.3 (40.8)	29 (-19 to 77)	0.21
2nd Dressing Change						
T1	8	16.3 (22.0)	5	4.0 (8.9)	12 (-11 to 35)	0.27
T2	7	27.9 (27.4)	5	4.0 (8.9)	24 (-5 to 52)	0.09
T3	5	16.0 26.1)	3	6.7 (11.5)	9 (-31 to 49)	0.59
T4	5	12.0 (17.9)	3	0.0 (0.0)	12 (-14 to 38)	0.30
Peak VAS	8	34.4 (31.3)	7	5.7 (9.8)	29 (2 to 55)	0.04
3rd Dressing Change						
T1	3	8.3 (14.4)	2	0.0 (0.0)	8 (-26 – 43)	0.50

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T2	3	26.7 (25.2)	2	15.0 (7.1)	12 (-49 to 73)	0.58
T3	2	5.0 (7.1)	2	5.0 (7.1)	0 (-30 to 30)	> 0.99
T4	2	20.0 (28.3)	2	0.0 (0.0)	20 (-66 to 106)	0.42
Peak VAS	2	40.0 (14.1)	2	15.0 (7.1)	25 (-23 to 73)	0.15

* Adjusted Mean Difference = Intervention Group – Control Group. FLACC = face, legs, activity, cry, consolability scale;

VAS = visual analogue scale; FPS-R = faces pain scale revises; SD = standard deviation; CI = confidence interval; T1 =

timepoint 1; T2 = timepoint 2; T3 = timepoint 3; T4 = timepoint 4.